

Westlake EM184AA Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

WESTLAKE low-density polyethylene EM184 is a low density injection-molding formulation suggested for the production of closures where a high melt index is needed to meet shrinkage requirements and fast molding cycles. It molds with unusual ease and is suggested for large, thick-walled items where stress-crack resistance is not a primary requirement. WESTLAKE polyethylene EM184 can be used as a base for color concentrates. Application/Uses Food-contact applications Lids Medical FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. Kosher Compliant. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-EM184AA-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 190 °C	40 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.00 MPa	1160 psi	500mm/min; ASTM D638 Type IV Specimen
Elongation at Break	70 %	70 %	500mm/min; ASTM D638 Type IV Specimen
2% Secant Modulus	0.221 GPa	32.1 ksi	12.7mm/min; ASTM D790

Processing Properties	Metric	English	Comments
Melt Temperature	149 - 166 °C	300 - 330 °F	

Descriptive Properties	Value	Comments
Process	Injection Molding	

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